

Claims

What is claimed is:

1. A system for defining an MES interface to process a transaction between a server and a client from an XML base, the transaction between the server and the client based
5 on a communication protocol, the server having a MES, said system comprising:

an IDL file for executing a plurality of service objects of the MES;

an XML tag set file, wherein the XML tag set file uses XML for defining
interfaces of the plurality of service objects; and

an XML schema file, wherein the XML schema file is within a web server for
10 validating an output content generated by executing IDL file and the XML tag set file,
wherein the XML tag set file is adapted to serve at least one argument of the plurality of
service objects within the IDL file.

2. The system of claim 1, wherein the MES is SiView MES provided by IBM.

3. The system of claim 1, wherein the communication protocol is CORBA.

15 4. The system of claim 1, wherein the communication protocol is TCP/IP.

5. The system of claim 1, wherein the communication protocol is TIBCO RV.

6. The system of claim 1, wherein the communication protocol is SOAP.

7. A system for defining MES interface in order to process a transaction between a
server and a client from an XML base, the transaction between the server and the client

based on CORBA, the server having a SiView MES provided by IBM, the system for defining MES interface comprising:

an IDL file for executing a plurality of service objects of the SiView MES;

an XML tag set file, wherein the XML tag set file uses XML for defining
5 interfaces of the plurality of service objects; and

an XML schema file, wherein the XML schema file is within a web server for validating an output content generated by executing IDL file and the XML tag set file, wherein the XML tag set file is adapted to serve at least one argument of the plurality of service objects within the IDL file.

10 8. A method for defining an MES interface to process a transaction between a server and a client from an XML base, the transaction between the server and the client based on a communication protocol, the server having a MES, the method for defining MES interface comprising:

providing an IDL file and an XML tag set file within the server and client,

15 wherein the IDL file serves for executing a plurality of service objects of the MES and the XML tag set file uses XML for defining interfaces of the plurality of service objects;

executing the IDL file and an XML tag set file for generating an XML
output file, wherein the XML tag set file is adapted to serve at least one argument
20 of the plurality of service objects within the IDL file;

providing an XML schema file within a web server; and

executing the XML schema file for validating a content of the XML
output file.

9. The method of claim 1, wherein the MES is SiView MES provided by IBM.

5 10. The method of claim 1, wherein the communication protocol is CORBA.

11. The method of claim 1, wherein the communication protocol is TCP/IP.

12. The method of claim 1, wherein the communication protocol is TIBCO RV.

13. The method of claim 1, wherein the communication protocol is SOAP.